

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085274 A1

(51) International Patent Classification⁷: **C07H 21/00**,
C12Q 1/68, A61K 45/00, A61P 31/04

(74) Agents: **ROBINSON, Christopher, J.** et al.; Smart & Biggar, Box 11560 Vancouver Centre, Suite 2200, 650 West Georgia Street, Vancouver, British Columbia, V6B 4N8 (CA).

(21) International Application Number:
PCT/CA2005/000357

(22) International Filing Date: 4 March 2005 (04.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/549,560 4 March 2004 (04.03.2004) US

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): **THE UNIVERSITY OF BRITISH COLUMBIA** [CA/CA]; University-Industry Liaison Office, 103 - 6190 Agronomy Road, Vancouver, British Columbia V6T 1Z3 (CA).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RUSSELL, James, A.** [CA/CA]; 1963 West 35 Avenue, Vancouver, British Columbia V6M 1H8 (CA). **WALLEY, Keith, R.** [CA/CA]; 4172 Coventry Way, North Vancouver, British Columbia V7M 4M9 (CA).

Published:

— with international search report

[Continued on next page]

(54) Title: TOLL-LIKE RECEPTOR 2 (TLR-2) HAPLOTYPES PREDICT OUTCOME OF PATIENTS

	Relative Position											
	-16934	-16893	-16892	-15730	-15607	596	638	1349	1622	1891	2257	
Haplotype												Frequency
1	A	C	G	A	A	T	G	T	C	C	G	8
2	A	C	G	G	A	T	G	T	C	C	G	1
3	A	C	G	A	A	C	G	C	C	C	G	8
4	A	C	G	A	A	C	G	T	C	C	G	4
5	A	C	G	A	A	C	C	T	C	C	G	1
6	T	C	G	A	G	T	G	T	C	C	G	19
7	T	C	G	A	G	T	G	T	C	C	A	1
8	T	T	G	A	A	T	G	T	C	A	G	2
9	T	C	A	A	A	C	G	T	T	C	G	1
10	T	C	G	A	A	T	G	T	C	C	G	1

(57) Abstract: The invention provides methods and kits for obtaining a prognosis for a subject having or at risk of developing an inflammatory condition and/or a gram positive infection. The method generally includes determining a toll-like receptor 2 (TLR-2) risk genotype of a subject for one or more SNPs, comparing the determined genotype with known genotypes for the polymorphism that correspond with the ability of the subject to recover from the inflammatory condition and identifying subjects based on their prognosis.

WO 2005/085274 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.